Please insert the following on page 1, line 3:

--CROSS REFERENCE TO RELATED APPLICATIONS

This application is a 35 U.S.C. 371 of PCT application PCT/CN00/00151 filed June 12, 2000, which claims priority on application 99124113.4 filed on November 24, 1999 in China.--

Please amend the specification per the attached marked-up copy.

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Claims 2-7 and 9-10 are amended.

Claims 1 and 8 are cancelled.

Listing of Claims:

1.   (Cancelled)

2.   (Currently Amended) A multi-selection coherent detection method according to Claim [[1]]$\underline{3}$, wherein, the segments in step [[a]] $\underline{A}$ are equal spaced or unequal spaced.

3.   (Currently Amended) A multi-sectional coherent detection method ~~according to Claim 1,~~ comprising the steps of:

      A.   dividing a length L used for the signal detection into $\underline{N_{multicoh}}$ segments, performing coherent accumulating with each segment, and obtaining total $\underline{N_{multicoh}}$ coherent results denoted as X_i (i=0... N_{noncoh}-1);

      B.   performing various possible phase adjustments on those $N_{multicoh}$ coherent results (the number of the possible phase adjustments being denoted as P), and denoting the adjustment results as Y_{i-j}(i=0...$N_{multicoh}$-1,j=0...P-1);

      C.   selecting a value of the adjustment result from P adjustment results corresponding to each coherent result, and the largest number of the combinations being $C=P^{Nmulticoh}$,

     D.   coherently accumulating $N_{multicoh}$ adjustment results in each combination and obtaining $C=P^{Nmulticoh}$ coherent results denoted as Z_t (t=0...C-1);

     E.   among $C=P^{Nmulticoh}$ coherent results, selecting the optimum results as the detection results;

wherein, in the phase adjustment of step [[b]]B, when the number of the phase adjustments is P, performing the phase rotation of $\phi = \phi_0 + k*2\pi/p$, (k=0...P-1), on the signals respectively, wherein, ϕ_0 may be any value.

    4.   (Currently Amended) A multi-selection coherent detection method according to Claim [[1]]3, wherein, in the said step [[a]]A, obtaining one X_i for each segment, and there being total $N_{multicoh}$ coherent results; according to step b further, performing P phase adjustments for each coherent result, and obtaining total $N_{multicoh}*P$ adjustment coherent results.

    5.   (Currently Amended) A multi-section coherent detection method according to Claim 4, wherein, selecting one adjustment coherent result from P adjustment coherent results corresponding to each coherent result, and ~~earring~~ carrying out the coherent overlapping on total $N_{multicoh}$ adjustment coherent results, and obtaining a final coherent result Z_t obtained; in this way, there being total $C=P^{Nmulticoh}$ possible selection methods, then obtaining $C=P^{Nmulticoh}$ final coherent results Z_t further.

    6.   (Currently Amended) A multi-selection coherent detection method according to Claim [[1]]3, wherein, in step [[e]]E, [[the]] a method of [[the]] largest mode is used as a criterion by a selector to calculate $Max_n s (n=1, 2...8)$ for selecting the optimum [[ones]]branch results, wherein a comparison of the $Max_n s (n=1, 2...8)$ results provides a final output detection result.

    7.   (Currently Amended) A multi-selection coherent detection method according to Claim 5, wherein, the number of ~~the largest~~ said coherent results is $C=P^{Nmulticoh}$ or less ~~, however~~

~~it does not mean that C=P^Nmulticoh coherent results must be obtained in the practical application; the number of the coherent results that less than C=P^Nmulticoh may be used according to the situations to reduce the number of coherent results required~~.

8.   (Cancelled)

9.   (Currently Amended) A multi-selection coherent detection device ~~according to Claim 8~~, wherein, the said detection device comprises: a matched filter unit; two or more branch units; and a branch selection unit, wherein an input signal is input to the matched filter unit; the output of the matched filter unit is sent to each branch unit respectively where phase adjustment and coherent accumulation of the signal is performed, and then sent to a branch selection unit where a method of largest mode is used as a criterion by a selector to calculate $Max_ns(n=1, 2...8)$ for selecting the optimum branch branch results, wherein a comparison of the $Max_ns(n=1, 2...8)$ results provides a final output detection result,

wherein, each said branch unit further comprises: a multiplier, for carrying out the phase adjustment; an adder, for carrying out the coherent accumulation; a holder, for holding the data; a delay unit for delaying the data;

wherein the output of the matched filter is sent to the branch selection unit via the multiplier, and the adder in turn; and

~~meanwhile, the~~ an adjustment series of four bits is sent to the multiplier via the holder, and [[the]]an output of the adder is ~~feedback~~ fed back to its input via the delay unit.

10.   (Currently Amended) A multi-selection coherent detection device according to Claim 9, wherein, both [[the]]a holding time of the holder and [[the]]a delay time of the delay unit are for a time period of 1024 chips.